

^{12}N $Z = 7$ $N = 5$ adopted link ENSDF link

Based on ENSDF from Oct 2022, and mass evaluation from 2020

BE = 74.041 (0.001) MeV

Qbeta+ = 17.338 (0.001) MeV

	Energy T	J+	J-	J-other	T1/2
12N 1	0.000	1 % 1+			1 11.000 MS 16
S-p =	0.600 (0.001)				
12N 2	0.961	2+			2 20 KEV LT
12N 3			1.190 2-		3 100 KEV 20
12N 4			1.800 1-		4 0.75 MEV 25
12N 5	2.439	0+			5 69 KEV 22
12N 6			3.132 3-		6 219 KEV 20
12N 7	3.558	2+			7 221 KEV 30
12N 8				4.142 2-&4-	8 825 KEV 25
12N 9			4.410 4-		9 744 KEV 27
12N 10				4.561 (1,2)+	10 517 KEV 72
12N 11			5.348 3-		11 0.27 MEV 11
12N 12				5.600	12 120 KEV 50
12N 13				6.275 (1-,3+)	13 256 KEV 88
12N 14				6.400 (1-)	14 1.20 KEV 30
12N 15				7.400 (1-)	15 1.20 KEV 50
12N 16				7.682	16 200 KEV 30
S-alpha=	8.008 (0.001)				
12N 17				8.446 (0-)	17 90 KEV 30
12N 18				8.860	18 100 KEV AP
12N 19				9.035 (1-)	19 16 KEV +20-16
S-2p =	9.290 (0.001)				
12N 20				9.800 (0-)	20 0.45 MEV 10

S-p = 0.600 (0.001)

S-n = 15.099 (0.005)

S-2p = 9.290 (0.001)

S-2n = 37.605 (0.400)

S-alpha= 8.008 (0.001)

S+p = -1.512 (0.010)

S+n = -20.064 (0.001)

S+2p = 0.048 (0.041)

S+2n = -30.617 (0.001)

S+alpha = -9.088 (0.005)

gap p = -0.911 (0.010)

gap n = -4.965 (0.005)
gap 2p = 9.339 (0.041)
gap 2n = 6.987 (0.400)
gap alpha = -1.079 (0.006)